

PROCEEDINGS OF THE CLUB

WEDNESDAY, MARCH 26, 1902

The meeting was held at the Botanical Garden; Dr. M. A. Howe in the chair, twenty-one persons present.

One election to active membership was made, that of Mr. Ivar Tidestrom, 129 East 24th Street, N. Y.

The first paper was by Dr. L. M. Underwood, entitled "Notes on *Goniopteris*." Distinguishing features of allied genera, found in the venation and in the form of the indusium, were illustrated by figures. Nine species were mentioned, chiefly of the West Indies; including *G. reptans* and *G. tetragona* of Florida, and species recently collected in Porto Rico and in St. Kitts.

The second paper was by Dr. M. A. Howe, under the title of "Notes on the Marine Flora of Nova Scotia and Newfoundland." Numerous examples were exhibited, illustrating especially the larger Phaeosporeae, including large rolls of dried *Laminaria*, rock-specimens bearing crustaceous species, and many others preserved in jars or by mounting on sheets. Among noteworthy species or forms found were *Fucus serratus* and a *Stypocaulon* at Pictou, this being the first collection of the genus *Stypocaulon* in North America. Examples were shown of *Laminaria longicuris* and *L. platymeris* from the Newfoundland coast, whence De la Pylaie first described them. Interesting specimens of *Agarum*, *Alaria*, *Porphyra*, *Gloiosiphonia*, etc., were exhibited; the *Agarum* from a deep tide-pool near Digby covered by 30 feet of water at high tide. Corallines attain great beauty in these northern waters, and with the attendant brown rockweeds and lustrous kelps lend great richness and diversity of color. The dulse gatherers were found to distinguish and prefer the dulse growing on *Laminaria* to that attached to rocks. Dulse gathering in some parts of Nova Scotia forms a business of considerable importance; the dried dulse is put up in barrels to be sold in Boston and latterly in New York.

A third communication by Dr. MacDougal consisted of the exhibition and discussion of a specimen of *Ephedra*, one of two species collected by him in his recent trip to Arizona. This re-

markable leafless relative of the conifers produces palisade cells along its stems instead of leaves. A cutting about three feet high was shown resembling Scotch-broom in its multitude of long green and brown branches.

Dr. MacDougal also exhibited a remarkable Sonoran plant, perhaps an *Ipomoea*, with large swollen discoid base about 15 inches in diameter to which short roots were still attached. He also collected there the tree-*Ipomoea* known as the *Palo Blanco*, on which deer browse; it bears a few flowers all the year round but the leaves disappear after the rainy season.

EDWARD S. BURGESS,
Secretary.

TUESDAY, APRIL 8, 1902

The meeting of April 8 failed on account of a storm of unusual severity, only one person besides the secretary being present.

E. S. BURGESS,
Secretary.

PROGRAM OF FIELD DAYS OF THE TORREY BOTANICAL CLUB, SEASON OF 1902

May 3.—Hudson Heights, N. J. Leave foot of Christopher Street at 2 p. m. At Hoboken take trolley to end of line. Excursion fare, 16 cents. Guide, Mr. Eugene Smith.

May 10.—Orange Mountain. Take Christopher Street Ferry to Hoboken, then the 12.50 train to Orange. Returning, leave Orange at 5.09 or 5.48 p. m. Excursion fare, 50 cents. Guide, Miss Angell, who will meet party at Orange.

May 17.—Arlington, Staten Island. Leave by Staten Island Ferry at 1.30 p. m. Excursion fare, 20 cents. Guide, Mr. Wm. T. Davis.

May 24.—Central Park, Long Island. Leave Long Island City at 11.10 a. m. Excursion fare, \$1.25. Guide, Mr. McCallum.

Decoration Day Trip.—May 29, 30, etc. Port Jervis, N. Y. Leave foot of West 23d Street, by Erie Railroad on Thursday,